

IN THE CLAIMS:

A clean version of the entire set of pending claims is as follows:

- sub
P1
A2
1. A method for sampling data signals between electronic components, comprising:
connecting the electronic components by using a straight feed-through connector wherein the straight feed-through connector has connecting pins;
attaching one end of a flexible circuit to the connecting pins of the feed-through connector; and
attaching an opposite end of the flexible circuit to a display.
 2. The method according to claim 1, wherein the flexible circuit is attached to the connector pins by means of soldering.
 3. The method according to claim 1, wherein the flexible circuit is attached to the connector by a unidirectional locking time.
 4. The method according to claim 1, wherein the flexible circuit is attached to the connector by a wire trap.
 5. The method according to claim 1, wherein the display is a light emitting diode (LED).
 6. The method according to claim 1, wherein the display constitutes a field replaceable unit (FRU).
 7. The method according to claim 1, wherein the data sampling can be used for detection of fault signals, status, idle signals, error checking, and introduction of a signal analyzer.

8. A system for sampling data signals between electronic components, comprising:
a straight feed-through connector for connecting the electronic components
wherein the straight feed-through connector has connecting pins;
means for attaching one end of a flexible circuit to the connecting pins of the
feed-through connector; and
means for attaching the opposite end of the flexible circuit to a display.

9. The system according to claim 8, wherein the flexible circuit is attached to the
connector pins by means of soldering.

10. The system according to claim 8, wherein the flexible circuit is attached to the
connector by a unidirectional locking tine.

11. The system according to claim 8, wherein the flexible circuit is attached to the
connector by a wire trap.

12. The system according to claim 8, wherein the display is a light emitting diode
(LED).

13. The system according to claim 8, wherein the display constitutes a field
replaceable unit (FRU).

14. The system according to claim 8, wherein the data sampling can be used for
detection of fault signals, status, idle signals, error checking, and introduction of a signal
analyzer.

15. A method for sampling data signals between a drive and a motherboard,
comprising:
providing a direct connection between the drive and the motherboard by way of
an interposer connector having connecting pins;

coupling a first end of a flexible circuit to the connecting pins of the interposer connector; and

coupling a second end of the flexible circuit to an indicator.

16. The method of claim 15, wherein the first end of the flexible circuit is held between two snap-fit halves of the interposer connector.

17. The method of claim 15, wherein the first end of the flexible circuit is provided with a plurality of openings through which the connecting pins of the interposer connector establish a connection between the interposer connector and the flexible circuit.

18. The method of claim 15, wherein the first end of the flexible circuit is coupled to the connection pins of the interposer connector by one of wire taps and unidirectional locking tines.

19. The method of claim 1, wherein connecting the components using a straight feed-through connector includes:

directly connecting a first electronic component to a first end of the straight feed-through connector; and

directly connecting a second electronic component to a second end of the straight feed-through connector, and wherein the flexible circuit is directly coupled to the connecting pins of the feed-through connector.

20. The system of claim 8, wherein a first end of the straight feed-through connector is directly connected to a first electronic component and a second end of the straight feed-through connector is directly coupled to a second electronic component, and wherein the flexible circuit is directly coupled to the connecting pins of the feed-through connector.

21. The method of claim 19, wherein the first electronic component is a storage device and the second electronic component is a circuit board.